



Industrial Sand

Technical Data Sheet

CHARACTERISTICS

Roberta, GA

Atlanta Sand's mineral filler products are produced from high purity industrial quartz sands for a wide variety of industrial and construction-based products. We provide consistent silica sand, which serves as an excellent chemically inert structural filler. With a sub-angular to sub-rounded particle shape, our sand offers excellent placement, compaction and mechanical properties. The high silica content and low-level soluble irons, alkalis and alkaline oxides provides a non-reactive service in most corrosive and exposed environments.

All of Atlanta Sand's products are processed and sized under a rigid quality assurance program. Our goal is to produce a consistent, uniform product, which will perform well in a number of different construction and manufacturing applications.

PARTICLE SIZE ANALYSIS AND PROPERTIES – These are mean values and do not represent a specification. Typical mean % retained on individual sieves.

| ASTM Mesh Sizes | Product 10/30 | Product 20/30 | Product 30/80 | Product Minus 44 |
|-----------------|---------------|---------------|---------------|------------------|
| #8 | 0.00 | | | |
| #12 | 3.00 | 0.00 | | |
| #16 | 56.00 | 0.02 | 0.00 | |
| #20 | 38.00 | 26.00 | 0.30 | 0.00 |
| #30 | 2.00 | 40.70 | 2.90 | 0.10 |
| #40 | | 22.00 | 35.80 | 8.60 |
| #50 | | 7.50 | 33.80 | 40.80 |
| #70 | | 2.90 | 17.70 | 34.30 |
| #100 | | 0.60 | 6.90 | 13.30 |
| #140 | | | 1.80 | |
| #170 | | | | 2.70 |
| PAN | 0.30 | 0.13 | 0.79 | 0.20 |



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Grade numbers indicate relative values or results. They are not a specification or warranty of performance.

| Physical Characteristics | | |
|----------------------------------|-------------|------------|
| Grain Shape | Sub-Angular | Visual |
| Moisture Content | < 0.1 | ASTM C-566 |
| Specific Gravity (g/cm) | 2.65 | ASTM C-128 |
| Bulk Density, dry rodded (lb/cf) | 90-93 | ASTM C-29 |

CHEMICAL ANALYSIS – These are mean values and do not represent a specification.

| Mineral | Mean % by Weight |
|--|------------------|
| Silicon Dioxide (SiO ₂) | 99.69 |
| Iron Oxide (FeO ₂) | 0.0778 |
| Aluminum Oxide (Al ₂ O ₃) | 0.0314 |
| Calcium Oxide (CaO) | 0.0060 |
| Titanium Oxide (TiO ₂) | 0.0108 |
| Magnesium (MgO) | 0.0006 |
| Potassium (Na ₂ O) | 0.0042 |
| Sodium Oxide (k ₂ O) | 0.0056 |
| Loss on Ignition (L.O.I.) | 0.1730 |

ORDERING INFORMATION

Shipping Point: 740 Sand Pit Road
Roberta, GA 31078
US 341 – Crawford County
Truck Only

Availability: Bulk, Bulk Bags, 50 lbs. and 100 lbs. Paper & Plastic Bags

For product information and customer service:

Corporate Office
P.O. Box 27597
Macon, GA 31221

Phone: 478-475-5444
Fax: 478-475-0450
Website: www.atlantasand.com

Health Hazard Warning: CONTAINS FREE CRYSTALLINE SILICA. DO NOT BREATH DUST, MAY CAUSE DELAYED LUNG INJURY. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen. **DO NOT USE FOR SANDBLASTING OR ABRASIVE CLEANING UNLESS PROPER PERSONAL PROTECTIVE EQUIPMENT IS USED. CONSULT SDS BEFORE USING.**